CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-4	150.11 X 150.12 X 150.0	22535	29/12/2015	26/01/2016	28	8.19	485	**21.56**	**22.00**
2		150.16 X 150.14 X 150.0	22545				8.20	495	**22.00**	
3		150.13 X 150.15 X 150.0	22542				8.23	505	**22.44**	

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Executive Director

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COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

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Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-3	150.14 X 150.13 X 150.0	22541	29/12/2015	26/01/2016	28	8.17	480	**21.33**	**21.70**
2		150.16 X 150.15 X 150.0	22547				8.19	490	**21.78**	
3		150.15 X 150.13 X 150.0	22542				8.21	495	**22.00**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-2	150.11 X 150.13 X 150.0	22536	29/12/2015	26/01/2016	28	8.15	485	**21.56**	**21.93**
2		150.15 X 150.14 X 150.0	22544				8.17	495	**22.00**	
3		150.12 X 150.13 X 150.0	22538				8.21	500	**22.22**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-1	150.14 X 150.12 X 150.0	22539	29/12/2015	26/01/2016	28	8.17	480	**21.33**	**21.63**
2		150.14 X 150.13 X 150.0	22541				8.19	485	**21.56**	
3		150.15 X 150.16 X 150.0	22547				8.20	495	**22.00**	

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TEST REPORT

GAUGE TEST ON M.S.PIPE Nominal Size 38mm

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015

Gauge Test				
Nominal Size in mm	**Guage**	**Measured Thickness in mm**	**Min. As Per IS : 1136-2008 in mm**	**Remarks**
38	**14**	1.99	**1.99**	**Satisfies The Requirement**

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TEST REPORT

GRADATION TEST ON FINE AGGREGATES

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015
Specific Gravity	**2.57**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)				Grading Zone	Remarks
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV		
River Sand	10	**100**	100	100	100	100	II	Satisfies the requirement
	4.75	**98.9**	90-100	90-100	90-100	95-100		
	2.36	**85.4**	60-95	75-100	85-100	95-100		
	1.18	**74.6**	30-70	55-90	75-100	90-100		
	0.6	**48.8**	15-34	35-59	60-79	80-100		
	0.3	**25.6**	5-20	8-30	12-40	15-50		
	0.15	**7.9**	0-10	0-10	0-10	0-15		

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TEST REPORT

GAUGE TEST ON CHAIN LINK GAUGE-8

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015

Gauge Test

Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
8	4.11	**4.11**	**Satisfies The Requirement**

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 40mm ↓ Graded

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015
Specific Gravity	**2.66**
Water Absorption	**0.29%**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

IS Sieve Designation (mm)	**Sieve Analysis (% Passing IS Sieve)**	**Grading Requirement as per IS:383-1970 (Reaffirmed 2011)**	**Remarks**
80	**100**	100	**Satisfies the requirement**
40	**98.6**	95-100	
20	**54.5**	30-70	
10	**25.8**	10-35	
4.75	**3.6**	0-5	

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 20mm ↓ Graded

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015
Specific Gravity	**2.65**
Water Absorption	**0.32%**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

IS Sieve Designation (mm)	**Sieve Analysis (% Passing IS Sieve)**	**Grading Requirement as per IS:383-1970 (Reaffirmed 2011)**	**Remarks**
40	**100**	100	**Satisfies the requirement**
20	**98.5**	95-100	
10	**41.6**	25-55	
4.75	**8.6**	0-10	

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TEST REPORT

TEST ON STEEL ANGLES 50x50x5mm

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015

Sl.No.	Description	Result	IS 2062-1999 & 808-1989 Min. Requirements	Remarks
1	Wt/m Length (Kg/m)	4.6	4.5	Satisfactory
2	Elongation (%)	25	23	Satisfactory
3	U T S (N/Sq.mm)	420	410	Satisfactory

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Providing chainlink fencing to park at Sri Gudde Vinayaka Temple, Kuvempunagara 2nd Phase of Ward No. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	27/05/2015

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	55	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	488	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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